a layer of charcosi the metal elects on ting another layer coke on top of the This insures a grobel week the carth and at all times. Another drive three or four feet into the earth ground wire to them Generally speaking.

feet into the earth ground wire to them. Generally sponking attract lightning, but up atmospherical electourse, this condition hazard. However, whis properly grounded acts as a lightning protects the property electrical hazard.

Briefly, the fire in quire that the sevial when not in use by a ramaller than B. S. the larger, and run said was possible to the none of the country cannot be used for ground, because if every cannot be used for ground, because if every cannot be used for ground for lightning. Fig. 3 shows the performance of the consistency was for the incomment of the correct way result. So do no grounds for lightning be throw knife switch the three way for consistency way for the inconsistency to the work with the connected to the work was connected to the work was connected to the wire connected to the wire way for the connected to the wire connected to the wire way for the promocrate way that the way will be connected to the wire way for the connected way the connected to the wire way for the connected to the way was such that the conn

How to Make, Connect and Operate a Practical Radio Telephone Receiving Set

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By WILLIAM G. H. FINLH.

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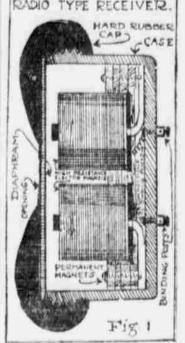
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The receiver note as a translator

How Becciver Acts. The value or music is impressed a misrophone on the electric cur-



the winting of the pessiver (Fig. 2) reties and causing the diaphragm to vibrate cattracted and expelleds, accurately spending the complete of the connected of

FIG 1

FIG 2

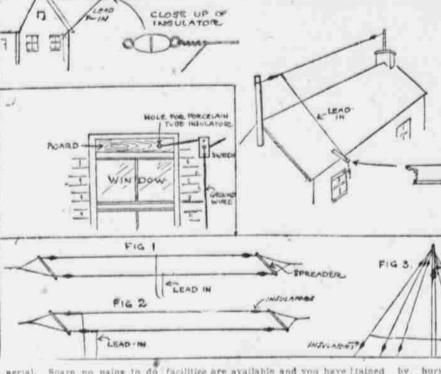
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WATER

METER

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STD GROUND



STD GROUND CLAMP

WATER PIPE

SOLDER WIRE

TO GROUND CLAMP

PIPE TO MAIN &

GROUND



(Wireless Telephony)

assemble his own set. At present we have the following parts in stock for immediate delivery.







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FIG 1 CONTINUE SURPRIES, (THEFOIL)

ceiver that supres up the weak currents and then discharges them through the telephone receiver.

Aerial Is Essential.

5. Antenna, or aerial—A wire or wires anapended in the air and insulated from all surrounding objects being a part of the electromagnetic waves are sent or received.

6. Ground—May be a wire hirded in the earth or an artificial ground may be a waterprise which commanded in the air and including industrance or tuising coll. The first from a consider is the funning industance or tuising coll. The first from the cold to let any leaky conditions exist.

The first from a consider is the funning industance or tuising coll. The first from the coll that connections sold eved and taped, because you are stand and the even and taped, because you are stand and the even and taped, because you are supported and taped, because you are taped over and taped, because you are taped over the supported and taped, because you are supported and taped, because you

When a radio message is sent it a round brass rod 1-12 of an inch cancertion as shown.

When a radio message is sent it around brass rod 1-12 of an inch cancertion as light, 156 box moles home three long threaded to take hard frequency as high as 100,500 cycles per second, and, inasmuch as the Dill an 5-32 of an inch hole a content of the human ser will as inch from both ends in content of not respond to frequencies or vibra.

CATWISKER or GALENA DETECTOR, the content is a single circuit receiver employing a crystal detector or rectifies, it will be of help to employ a condenser of small capacity.

Since ours in a single circuit receiver employing a crystal detector or rectifies, it will be of help to employ a condenser of small capacity.

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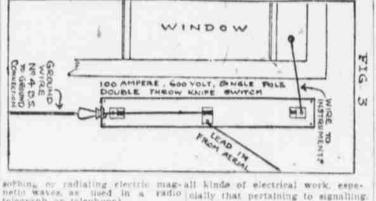
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Since ours in a single capacity.

Since ours in a single circuit receiver employing a crystal detector or rectifies, it will be of help to employ a condenser of small capacity.

Since ours in a single capacity.



GROUND

Notice to Our Patrons in District No. 1

Your Electric Bills are due and must be paid on or before the 10th or service will be discontinued. District No. 1 comprises all territory west of the center of Main street.

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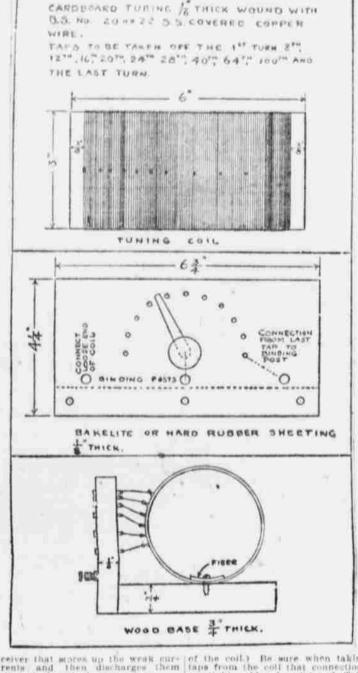
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per second, and, installabrages of the his not respond to frequencies or within tions over 20,000 per second it is evident that some means neart be found to delet and fransiste these impulses before they reach the telephone receiver. It is a known fact that cerreceiver. It is a known fact that cer-main crystals possess the necessary proporties to accom-plish this result, the

creasing the signal audibility which This piece of apparatus is very simple and easy to construct, but DIAPHRAMT

the necessary protection is result, the most popular one made being adding adding the protection of a fine authority and the protection of the authority of the activities of